



Sulfurospirillum *deleyianum* Schumacher et al.

51133™

Description

Strain designation: Spirillum 5175 [DSM 6946]

Deposited As: *Sulfurospirillum deleyianum* Schumacher et al.

Type strain: Yes

Storage Conditions

Product format: Freeze-dried

Intended Use

This product is intended for laboratory research use only. It is not intended for any animal or human therapeutic use, any human or animal consumption, or any diagnostic use.

BSL 1

ATCC determines the biosafety level of a material based on our risk assessment as guided by the current edition of *Biosafety in Microbiological and Biomedical Laboratories (BMBL)*, U.S. Department of Health and Human Services. It is your responsibility to understand the hazards associated with the material per your organization's policies and procedures as well as any other applicable regulations as enforced by your local or national agencies.

ATCC highly recommends that appropriate personal protective equipment is always used when handling vials. For cultures that require storage in liquid nitrogen, it is important to note that some vials may leak when submersed in liquid nitrogen and will slowly fill with liquid nitrogen. Upon thawing, the conversion of the liquid nitrogen back to its gas phase may result in the vial exploding or blowing off its cap with dangerous force creating flying debris. Unless necessary, ATCC recommends that these cultures be stored in the vapor phase of liquid nitrogen rather than submersed in liquid nitrogen.

Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at www.atcc.org.

Growth Conditions

Medium:

ATCC Medium 1842: Sulfurospirillum medium

Temperature: 30°C

Atmosphere: Anaerobic

Handling Procedures

- 1. Open the vial according to the enclosed instructions.**
2. Rehydrate the entire pellet using 0.5 to 1.0 ml of #1842 broth.
3. Aseptically transfer this aliquot back into the broth tube.
4. Use several drops of the suspension to inoculate plates to check for purity and

anaerobic growth.

5. Fill the tube with the rehydrated culture to capacity and seal with a screw cap. Incubate at 30°C for 3-4 days. Incubate the plate used to test for purity at 30°C aerobically. The plate to test for anaerobic growth should be incubated in an anaerobic jar at 30°C.

Notes

Use a small sterile screw cap test tube to grow the culture initially. As the culture grows, it can be transferred to increasingly larger volumes. Always use a large inoculum (10 to 20%) to obtain the best growth.

No growth should occur on the plate incubated aerobically.

Additional information on this culture is available on the ATCC® web site at www.atcc.org.

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: *Sulfurospirillum deleyianum* Schumacher et al. (ATCC 51133)

References

References and other information relating to this material are available at www.atcc.org.

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